

Amendments to the Specification:

1. Please replace the paragraph [0001] beginning at page 1, line 4 with the following amended paragraph:

[0001] This application claims the benefit of PCT Application No. US2004/17649 entitled "Measurements of Optical Inhomogeneity and other Properties in Substances Using Propagation Modes of Light" and filed June 4, 2004. [This] The above-referenced PCT application claims the benefits of the following four U.S. Provisional Applications:

1. Serial No. 60/475,673 entitled "Method and Apparatus for Acquiring Images of Optical Inhomogeneity in Substances" and filed June 4, 2003;

2. Serial No. 60/514,768 entitled "Coherence-Gated Optical Glucose Monitor" and filed October 27, 2003;

3. Serial No. 60/526,935 entitled "Method and Apparatus for Acquiring Images of Optical Inhomogeneity in Substances" and filed December 4, 2003; and

4. Serial 60/561,588 entitled "Acquiring Information of Optical Inhomogeneity and Other Properties in Substances" and filed April 12, 2004.

2. Please replace the paragraph [0002] beginning at page 1, line 17 with the following amended paragraph:

[0002] In addition, [this] the above-referenced PCT application claims the benefit of a prior a-pending U.S. Application No. 10/860,094 [] entitled "MEASUREMENTS OF OPTICAL INHOMOGENEITY AND OTHER PROPERTIES IN SUBSTANCES USING PROPAGATION MODES OF LIGHT" and filed on June 3, 2004, which was later published as U.S. Patent Publication No. US 2005-0018202

A1 on January 27, 2005 and issued as U.S. Patent No. 6,943,881 on September 13, 2005.

3. Please replace the paragraph [0003] beginning at page 1, line 21 with the following amended paragraph:

[0003] The entire disclosures of the above-referenced U.S. applications are incorporated herein by reference as part of this [PCT] application.

4. Please add the following new paragraph after paragraph [0003] beginning at page 1, line 21:

Furthermore, the entire disclosures of the following U.S. patent publications and patents are incorporated by reference as part of the specification of this application:

1. The above-referenced U.S. Patent Publication No. US 2005-0018202 A1;

2. The above-referenced U.S. Patent No. 6,943,881;

3. U.S. Patent Publication No. 2004-0246490 A1 entitled "Measurements of Substances Using Two Different Propagation Modes of Light Through a Common Optical Path" and published on December 9, 2004;

4. U.S. Patent No. 6,903,820 entitled "Measurements of Substances Using Two Different Propagation Modes of Light Through a Common Optical Path" and issued on June 7, 2005; and

5. PCT Publication No. 05/001522 dated January 6, 2005 for the above-referenced PCT Application US2004/17649.

5. Please amend the title of the application to read as follows:

~~MEASUREMENTS OF OPTICAL INHOMOGENEITY AND OTHER PROPERTIES~~
~~IN~~ OPTICALLY MEASURING SUBSTANCES USING PROPAGATION MODES OF
LIGHT